

PUZAKOV, N.

Characteristics of road construction in regions with ever frozen
subsoil. Avt.dor. 25 no.1:27-28 Ja '62. (MIRA 15:2)
(Russia, Northern--Road construction)

PUZAKOV, N.

IVANOV, I.; GUMENSKIY, B.; ORNATSKIY, N.; BEZHUK, V.; PUZAKOV, N.;
TULAYEV, A.

Veniamin Vasil'evich Okhotin; obituary. Avt.transp. 32 no.6:3
of cover Je '54. (MLBA 7:9)
(Okhotin, Veniamin Vasil'evich, 1888 ?- 1954)

SOV/124-58-7-8047

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 108 (USSR)

AUTHORS: Ivanov, N.N., Babkov, V.F., Birulya, A.K., Puzakov, N.A.

TITLE: The Theory of the Strength Properties of Flexible-type Roadway Pavements (Teoriya prochnosti nezhestkikh dorozhnykh odezhd)

PERIODICAL: V sb.: Materialy k 4-mu Mezhdunar. kongressu po mekhan. gruntov i fundamentostr. Moscow, AN SSSR, 1957, pp 153-165

ABSTRACT: A summary is given of the theory of calculating flexible-type roadway pavements that has been adopted in the USSR and some other countries. Various means are examined whereby the strain characteristics of different types of ground and road-surfacing materials are determined. An account is included of the net results of a study made of water conditions in roadbeds and of subsequently inferred theoretical laws governing ground shifts and moisture accumulations in roadbeds.

P.I. Klubin

Card 1/1

1. Highways--Properties
2. Highways--Flexing
3. Highways--Theory

PUZAKOV, N.A.

Frost-resisting layers of road pavement. Avt.dor. 24 no.9:9-
11 S '61. (MIRA 14:10)
(Pavements--Frost damage--Safety measures)

FUZAKOV, N.A., doktor tekhn. nauk; KHARKHUTA, N.Y., doktor tekhn. nauk; MOYILEV, Yu.L., kand. tekhn. nauk; VEYTSMAN, M.I., kand. tekhn. nauk; MITASOV, I.V., inzh.; LEVITSKIY, Ye.F., inzh.; ROMANOV, A.Z., inzh.; Prinimali uchastiye: KAZARNOVSKIY, V.D., kand. tekhn. nauk; DENISOV, Ye.M., inzh.; TOPOL'NITSKAYA, L.F., red.

[Instruction for building earth automobile roadbeds] Instruktsiia po sooruzheniiu zemliano go polotna avtomobil'nykh dorog (VSN 97-63). Moskva, Transport, 1964. 238 p.
(MIRA 17:11)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy proizvodstvennyy komitet po transportnomu stroitel'stvu.

Pu-zakov, V. A.

BABKOV, Valeriy Fedorovich, prof., doktor tekhn.nauk; ZAMAKHAYEV, Mitrofan Semenovich, dotsent, kand.tekhn.nauk; POPOV, O.V., inzh., retsenzent; MOTYLEV, Yu.L., kand.tekhn.nauk, retsenzent; PUZAKOV, N.A., retsenzent; IVANOV, S.S., red.; MAL'KOVA, N.V., tekhn.red.

[Highways] Avtomobil'nye dorogi. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta. Pt.1. [Road design] Proektirovanie dorog. 1959. 559 p. (MIRA 13:2)

1. Prepodavateli Moskovskogo avtomobil'no-dorozhnogo instituta (for Bobkov, Zamakhayev).
(Roads--Design)

PUZAKOV, N.A.

IVANOV, N.N., professor, redaktor; PUZAKOV, N.A., redaktor; MAL'KOVA, N.V.,
tekhnicheskii redaktor.

[Instructions on the destination of road surficings of the loose type]
Instruktsiia po naznacheniiu konstruktsii dorozhnykh odeshd nezhestkogo
tipa. Moskva, Ministerstvo avtomobil'nogo transporta i shosseinykh
dorog SSSR, 1954. 64 p. (MLR 8:1)

1. Russia (1923- U.S.S.R.) Ministerstvo avtomobil'nogo transporta
i shosseinykh dorog SSSR.
(Roads)

PUZAKOV, NIKOLAY ANTONOVICH

IVANOV, Nikolay Nikolayevich; ZASHECHNIN, Aleksey Nikitich; KORSUNSKIY, Mark Borisovich; MOTYLEV, Yuliy Lazarevich; PUZAKOV, Nikolay Antonovich; TULAYEV, Aleksandr Yakovlevich; BARKOV, V.P., redaktor; GALATTONOVA, Ye.N., tekhnicheskii redaktor

[Planning the surfacing of roads] Proektirovaniye dorozhnykh odeshd. Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1955.
249 p. (MIRA 9:3)

(Road construction)

PUZAKOV, N.A., kand.tekhn.nauk.

New regulations for constructing subgrades. Avt. dor. 21 no.12:
14 D '58. (MIRA 12:1)
(Road construction)

PUZANOV, N. A., Bachelor of Sciences; BABKOV, V. F., Prof. Dr.; BIRULYA, A. A., Prof. Dr.; and IVANOV, H. H., Prof. Dr., the Highway Research Institute, The Automobile and Highway Technical Institutes of Moscow and Khar'kov

"Flexible Pavement Design," a paper submitted at the 4th International Conference of the International Society of Soil Mechanics and Foundation Engineering, London, 12-24 Aug 57.

[references 10 Soviet papers, 1 Hungarian, and 1 Czech paper]

P. 8										INC AND 6TH (P. 8)									
1ST AND 2ND ORDER										PROCESSES AND PROPERTIES INDEX									
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new method operation, with a continuous flow Appar. J.A. Research Group, Ltd. (1944-45). Apparatus for the study of the gas to be studied. R. T.																			
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Use of rubber balloons in place of glass ampoules. P. A. Frenkel, <i>Zhurnal Fiz. Khim.</i> 38, 244-4 (1964). The use of rubber balloons for taking gas samples is advocated. P. A. Frenkel																			
ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
SECTION 1										SECTION 2									
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Gas analysis apparatus, with a continuous flow of gas.
H. C. A. Frenchy—Lundholm Lab. 3, GAS 6(1950).
App. for analysis of fire gas is described. H. C. A.

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

IVANOV, Mikhail Fedorovich (1871-1935), akad.; ROMANOVICH, Ye. F.; GREBEN', L. K.
akademik, otv. red.; NIKOLAYEV, A. I., akademik, otv. red.;
MELIKOV, F. A., akademik, otv. red.; PEREGON, I. L., akademik,
otv. red.; SMETNEV, S. I., akademik, red.; YUDIN, V. M.,
akademik, red.; OVSYANNIKOV, A. I., red.; MOKEYEV, A. Ye., red.;
KARTASHEVA, N. M., red.; PUZAKOVA, K. P., red.; DEYEVA, V. M.,
tekhn. red.

[Complete collected works in seven volumes] Polnoe sobranie so-
chinenii v semi tomakh. Moskva, Izd-vo "Kalos." Vols. 1-2.
1963. (MIRA 17:2)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni
V. I. Lenina (for Greben', Melikov, Nikolayev, Smetnev, Yudin).
2. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystven-
nykh nauk imeni V. I. Lenina (for Ovsyannikov).

GIL'MAN, T.P.; ZATSEPIN, K.S.; ~~INTAGRA, M.E.~~; MUKHTIYAROV, N.T.

Device for studying the kinetics of the wetting of glass fillers
with binders. Plast. massy no.8:51-65 '65. (MIRA 18:9)

L 08799-67 EWT(m)/EWP(j) IJP(c) RM
ACC NR: AP6030852 (A, N) SOURCE CODE: UR/0191/66/000/009/0042/0045

AUTHOR: Chibisova, Ye. I.; Kovarskaya, B. M.; Pshenitsyna, V. P.; Puzakova, Z. A.; Kaganova, Ye. L.

ORG: none

TITLE: Degradation of unsaturated polyesters

SOURCE: Plasticheskiye massy, no. 9, 1966, 42-45

TOPIC TAGS: polyester resin, pyrolysis, oxidation, polyester plastic, phthalic anhydride, synthetic material

ABSTRACT: The kinetics of thermal and oxidative degradations of polyesters based on ethylene glycol and maleic anhydride and on dichlorohydrinpentaerythrite and maleic- and phthalic anhydrides were studied. The kinetics of thermal degradation were studied in the 200-400°C range by following the pressure drop in the system and by IR spectroscopy. Oxidative degradation was studied in the 180-240°C range and at an initial oxygen pressure of 200-500 mm Hg. The low values of the activation energy of thermal degradation in all polyesters indicate that the process proceeds via a complex mechanism. The involvement of the free radical type intermediates in the thermal degradation is suggested. The IR spectra indicate that thermal degradation in polyesters involves the cleavage of the C-O bonds of the ester groups. The IR spectra showed that the

Card 1/2

UDC: 678.019.3 : [678.674'64'522'448+
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products of the oxidative degradation of the polyesters contain acetaldehyde, formaldehyde, benzaldehyde, and maleic anhydride. It is concluded that the oxidative degradation mechanism in polyesters involves an attack of oxygen on the α -carbon of the styrene-group and the subsequent formation of hydroperoxide-type intermediates. Unsaturated compounds were also detected in the products of oxidative degradation of the polyesters. Orig. art. has: 7 figures and 1 table.

SUB CODE: 07// SUBM DATE: 00/ ORIG REF: 003/ OTH REF: 005
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Card 2/2 not

PUZANCHIKOV, A.V., kand.tekhn.nauk

Using the method of pins in investigating the nonuniformity of
deformations caused by upsetting. Sbor.st.GHPI no.8:108-113 '58.
(MIRA 11:9)

(Deformations (Mechanics))

SOV/137-59-1-1627

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 216 (USSR)

AUTHOR: Puzanchikov, A. V.

TITLE: Nonuniformities in Deformation Produced During Upsetting Operations
Are Investigated With the Aid of Pins Pressed Into the Specimen
(Issledovaniye neravnomernosti deformatsii pri osadke metodom
shtiftov)

PERIODICAL: Sb. statey. Chelyab. politekhn. in-t, 1958, Nr 8, pp 108-113

ABSTRACT: In order to evaluate the degree of deformation (DD) along the axis of a cylinder which has been reduced by upsetting it is proposed that pins (P) be pressed into it. The DD is then computed by the formula $\delta = [1 - (d_1/d_2)^2] \cdot 100\%$, where d_1 is the initial diameter of the P's, and d_2 the diameter of the P's after the completion of the upsetting operations. Experiments on the determination of local DD were performed by the method of I. M. Pavlov and by the method of P's. The magnitude of error introduced in the process of determining the DD by the method of P's is computed.

M. Ts.

Card 1/1

PUZANCHIKOV, A.V.

Coercimeter with an automatic establishment of the magnitude
of demagnetizing current. Biul. tekhn.-ekon. inform. Gos.
nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 12:39-40
D '65 (MIRA 19:1)

PUZANCHIKOV, A. V.

Cand Tech Sci

Dissertation: "Effect of Forging Conditions on the Grain Size of Steel."

/9/2/50

Moscow Order of the Labor Red Banner Inst of Steel imeni I. V. Stalin.

SO Vecheryaya Moskva
Sum 71

FUZANCHIKOV, N

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Mekhanizirovannaya ferma (Mechanized Farming) 3., dopolnennoye izdaniye.
Moskva, Moskovskiy Rabochiy, 1954.
86p. illus., ports., tables.

PUZANCHIKOV, N.

"Development of collective farm communal economy and Agricultural Bank credit." K.Miseiuk, Reviewed by N.Puzanchikov. Fin. SSSR 16 no.2:89-90 P '55. (MLRA 8:1)

1. Predsedatel' kholkhosa imeni Molotova, Ramenskogo rayona, Moskovskoy oblasti.
(Miseiuk, K.A.) (Agricultural credit)

FUZANCHIKOV, N.

Mekhanizirovannaia ferma [The mechanized farm]. Izd. 2-e. Moskva, Moskovskii rabochii, 1953. 80 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 3, June 1954.

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PUZANCHIKOV, N I

Vysokiy uroven' kol'khozno'go proizvo'dstva (High level of collective-farm production, by) N. I. Puzanchikov i V. V. Dim'triyev. Moskva, Sel'khozgiz, 1954.

130 p. illus., diagrs., ports., tables.

PUZANCHIKOV, N. I.

571 Opyt mekhanizatsii i elektrifikatsii zhivotnovodstva v kolichoze imeni molotova, Ramenskogo rayona Moskovskoy oblasti. (M., 1954. 3 s 20sm (M-vo sel'skogo khozyaystva SSSR. M-vo sovkhozov SSSR Vsesoyuz. nauch. inzh-tekhn. o-vo energetikov. Nauch-tekhn. soveshchaniye po mekhanizatsii i elektrifikatsii trudovykh protsessov v zhivotnovodstve). 1.000 ekz. Bespl. - (54-54645) p 636.0025 (47.31)

SO: Knizhnaya Letopis, Vol. 1, 1955

FUZANCHIKOV, Nikolai Ivanovich.

A mechanized farm. Moskva. Moskovskii rabochii, 1955. 67 p. (54-17224 rev.)

1. Farm mechanization - Russia.
2. Kolkhoz imeni Molotova (Ramenskiy rayon).

PUZANCHIKOV, Nikolai Ivanovich.

Mechanized farm 3., dop. izd. Moskva Moskovskii rabochii, 1954. 36 p.
(55-36763)

S675.P8 1954

1. Farm mechanization - Russia. 2. Kolkhoz imeni Molotova (Ramenskiy rayon)

PUZANCHIKOV, N.I.

Opyt raboty nashego kolkhoza (Work
experience by our collective farm). Pod red. A.I.
Bulanova. Moskva, Goskul'tprosvetizdat, 1953. 45 p.
(B-chka "V pomoshch' lektory". no.20)

SO: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954 .

SHEPOVALOV, V.D.; PUZANKOV, A.G.

Optimization of the process of separating grain mixtures on sieves.
Trakt. i sel'khoz mash. no.3:17-20 Mr '65.

(MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystven-
nogo mashinostroyeniya (for Shepovalov). 2. MIISP (for Puzankov).

PUZANKOV, M.I.

Nikolai Vasil'evich Sklifosovskii; on the 125th anniversary of
his birth. Vest.khir. 86 no.3:3-9 Mr '61. (MIRA 14:3)
(SKLIFOSOVSKII, NIKOLAI VASIL'EVICH, 1836-1904)

PUZANKOV, V.M.; FIRSOV, V.P.; KEYLIN, G.S.

Mechanization and automatization of productive processes at the
"Krasnogvardeets" Plant. Med. prom. 13 no.8:6-8 Ag '59.

(MIRA 13:8)

(DRUG INDUSTRY)

PUZANKOV, V.M., inzh.; MAZUR, Z.N., inzh.

The new AG-18 automatic machine for electroplating.
Vest.mashinostr. 46 no.1:51-52 Ja '66.

(MIRA 19:1)

PUZANKOV, V.M.; KEYLIN, G.S.; KOLOTOV, M.G.

Technical information and publicity at the "Krasnogvardeets" Factory.
Med. prom. 14 no.8:62-63 Ag '60. (MIRA 13:7)
(TECHNICAL EDUCATION)

PHASE I BOOK EXPLOITATION

SOV/5053

Vsesoyuznaya konferentsiya po treniyu i iznosu v mashinakh. 3d, 1958.

Iznos i iznosostoykost'. Antifrictionnyye materialy (Wear and Wear Resistance. Antifriction Materials) Moscow, izd-vo AN SSSR, 1960. 273 p. Errata slip inserted. 3,500 copies printed. (Series: Its: trudy, v. 1)

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya. Rep. Ed.: M. M. Krushchov, Professor; Eds. of Publishing House: M. Ya. Klebanov, and S. L. Orpik; Tech. Ed.: T. V. Polyakova.

PURPOSE: This collection of articles is intended for practicing engineers and research scientists.

COVERAGE: The collection, published by the Institut mashinovedeniya, AN SSSR (Institute of Science of Machines of the USSR Academy of Sciences), contains papers presented at the III Vsesoyuznaya konferentsiya po treniyu i iznosu v mashinakh (Third All-Union Conference on Friction and Wear in Machines), which was held April 9-15, 1958. Problems discussed were in 5 main areas: 1) Thermodynamic theory of lubrication and friction bearings (Chairman: Ye. N. Gutyar, Doctor of Technical Sciences, and A. P. Rybachkov, Doctor of Technical Sciences); 2) Lubrication and Lubricant Materials (Chairman: G. V. Vinogradov, Doctor of Chemical Sciences); 3) Dry and Boundary Friction (Chairman: M. V. Dvynin, Corresponding Member of the Academy of Sciences USSR, and I. V. Krasilsnik, Doctor of Technical Sciences); 4) Wear and Wear Resistance (Chairman: M. M. Krushchov, Doctor of Technical Sciences); and 5) Friction and Antifriction Materials (Chairman: L. V. Krasilsnik, Doctor of Technical Sciences). Chairman of the general assembly (on the first and last day of the conference) was Academician A. A. Blagonravov. L. Yu. Prushchak, Candidate of Technical Sciences, was scientific secretary. The transactions of the conference were published in 3 volumes, of which the present volume is the first. This volume contains articles concerning the wear and wear resistance of antifriction materials. Among the topics covered are: modern developments in the theory and experimental science of wear resistance of materials, specific data on the wear resistance of various combinations of materials, methods for increasing the wear resistance of certain materials, the effects of friction and wear on the structure of materials, the mechanism of the seizing of metals, the effect of various types of lubricating materials on mating, abrasive wear of a wide variety of materials, components under many different conditions, modern developments in antifriction materials, and the effects of finish machining on wear resistance. Many personalities are mentioned in the text. References accompany most of the articles.

Goncharenko, V. G. Some Results of an Investigation of the Quality of Piston Rings of Diesel Motors Used in Automotive Tractors	208
Kunin, M. P., and M. M. Sokolova. Isothermal Wear of Metals as a Result of Their Interaction With a Polishing Abrasive	216
Marakich, I. I., and A. I. Volodin. Analysis of the Wear of the Flanges of the Crankshaft of a D-50 Diesel Locomotive, and Systematic Methods for Measuring the Wear	221
Purankov, V. V. Surface Finish of the Flanges of the Crankshaft and Bearing Bushings of the GAZ-51 Automobile	225
Savitskiy, E. V. On the Problem of the Relationship Between the Abrasive Wear of Metals and the Strength Properties of the Lattice	230

card 9/13

PUZAKOVA, V.

YERMOLAYEV, A.; KAL'NEV, F.; MIKHAYLOV, M.; NEUPOKOYEV, A.; OGURTSOV, S.;
POLOSUKHIN, V.; PUZAKOVA, V.; RYBAL'CHENKO, N.; SKURIKHIN, I.

Open letter to Comrade A. A. Ishkov, Minister of the Fishing Industry
of the U.S.S.R. Sots trud no.3:121-122 Mr '57. (MIRA 10:4)

1. Inshenery po tekhnormirovaniyu predpriyatiy Glav-komchatrybproms.
(Fisheries)

FUZANKOV and RYABCHIKOV

The type of icebreakers, Dednyy
Transport (Waterways Shipping), Issues 2-3,
1933.

CA

CA

ELECTRODES FOR ARC LAMPS. K. M. Panankov. Russ. 60,096, Dec. 11, 1929.
The elec. resistance of electrodes is increased by pressing them from
a mixt. contg. 60-65% moist retort carbon and 40-35% NaCl.

AD-110 METALLURGICAL LITERATURE CLASSIFICATION

PUZANKOV, V.

PA 38/49T75

USSR/Engineering
Refrigeration
Refrigerators

Jan/Mar 49

"Construction of the Kiev Refrigeration Combine," V.
Puzankov, Dir, Kiev Refrigeration Combine, 1 p

"Kholodil Tekh" No 1

Kiev Refrigeration Combine organization resolved
to reconstruct the refrigerator by the end of 1948,
and not in 1950 as scheduled. In addition, the
refrigeration plant was enlarged. It was previously
four stories high, and is now five stories, which
yields an additional 2,000 tons.

FDB

38/49T75

PUZANKOV, V.V.

Investigating the optimum surface smoothness of friction pairs.
Trudy Sem.po kach.poverkh. no.4:32-40 '59. (MIRA 13:6)
(Surfaces (Technology)--Testing)
(Friction)

1. D'YACHENKO, P. YE.; YAKOESON, M. O.; STIGNEYEV, YA. F.; PUZANKOV, V. V.

2. USSR (600)

4. M. O. Yakobson

7. Surface quality in machining of metals by means of cutting, review of
P. YE. D'yachenko, M. O. Yakobson, YA. F. Stigneyev, and V. V. Puzankov,
Avt. trakt. prom., no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

PUZANKOV, V. V.

P. 2

PHASE I BOOK EXPLOITATION

SOV/3688

Akademiya nauk SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya. Seminar po kachestvu poverkhnosti

Kachestvo poverkhnosti detaley mashin, sbornik 4. Tekhnologicheskiye faktory obrabotki. Metrologiya i pribory. Eksploatatsionnyye svoystva poverkhnostnogo sloya (Surface Quality of Machine Parts, Collection of Articles, No. 4. Processing Factors in Machining. Metrology and Instruments. Operational Properties of the Surface Layer) Moscow, Izd-vo AN SSSR, 1959. 291 p. (Series: Its: Trudy) Errata slip inserted. 3,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya.

Resp. Ed.: P.Ye. D'yachenko, Professor; Ed. of Publishing House: G.B. Gorshkov; Tech. Ed.: T.P. Polenova.

PURPOSE: This collection of articles is intended for technical personnel concerned with the quality of surface finishes of machine parts.

Card 1/ 7

CZECHOSLOVAKIA/Human and Animal Morphology - Normal and
Pathological. Sense Organs.

S

Abs Jour : Ref Zhur Biol., No 11, 1958, 50376

Author : Linc, R., Puzanova, L., Puzanov, A.

Inst : -

Title : Microscopic Histochemistry of the Photosensitive
Elements of the Retina

Orig Pub : Ceskosl. ofthalmol., 1955, 11, No 4-5, 219-234

Abstract : No abstract.

Card 1/1

PUZANOV, ALEXANDER

LINC, Rudolf; PUZANOVA, Ludmila; PUZANOV, Alexander

Functional importance of the internal carotid. Roshl.
chir. 35 no.11:685-690 Oct 56.

1. Z anatomickeho ustavu Karlovy university, prednosta prof.
L. Borovansky, a Laboratore pro vodni hospodarstvi CSAV,
prednosta akad. J. Smetana.

(ARTERIES, CAROTID, physiol.

funct. importance of internal carotid (Cs))

PUZANOV, A.

37480. Solov'yevtsy. (Oznatnom Mashiniste-skorostnike I. T. Solov'yeva i Ego Naparnikakh. Ocherk). Zabaykal'ye, Kn. 2, 1949, s. 131-44.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

FUZANOV, A.

Solution of the motion of open-channel surges. p. 1.

Vol. 65, no. 6, 1955
ROZPRÁVY. RADA TECHNICKO-VEDECKÁ
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

L 1434-66 ENT(1)/ENT(m)/T/EMP(t)/EMP(b)/EWA(c) DIAAP/IJP(c) JD/GG
ACCESSION NR: AP5021151 52 119 UR/0386/65/002/001/0048/0050

ACCESSION NR: AP5021151

UR/0386/65/002/001/0048/0050

AUTHOR: Tulinov, A. F.; Akhmetova, B. G.; Puzanov, A. A.; Bednyakov, A. A.

TITLE: New method of investigating the properties of single crystals

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 2, no. 1, 1965, 48-50, and bottom half of insert A at rear of journal

TOPIC TAGS: proton scattering, nuclear reaction, crystal lattice structure

ABSTRACT: The method makes use of an effect, observed by one of the authors earlier (Tulinov, Dokl. AN SSSR v. 162, no. 3, 1965 and others), wherein the angular distribution of the charged nuclear reaction products from single crystals become distorted by additional scattering of the product particles by the nuclei contained in chains corresponding to definite crystallographic axes in the crystal, and can accordingly be observed near these directions. Since earlier experiments on this effect were restricted to a single crystallographic axis, the authors recorded the effect produced simultaneously by a whole set of axes, to produce a proton plot of the crystal and to obtain information concerning its properties. The experiment was carried out with a beam of 500-keV protons from the cascade generator of NIYaF MGU (Nuclear Physics Institute of the Moscow State University). The protons were

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incident on the surface of a thick molybdenum single crystal. The crystal [100] axis made an angle of 150° with the direction of the incident beam. The beam diameter did not exceed ~ 0.3 mm. The elastically scattered protons were registered with a photographic plate mounted perpendicular to the [100] axis. The image obtained in this manner displayed the lines where the crystallographic planes intersected the emulsion surface. These agreed well with the theoretical scheme of such lines for a body-centered lattice in the case when the [100] axis is directed perpendicular to the plane of the figure. Analogous measurements, made with different crystals at varying incident-particle energies and at varying thicknesses of the absorbers in front of the emulsion show that there are great possibilities for varying the "degree of density" of the proton pattern, i.e., of including or excluding tracks connected with the planes of relatively high indices. Since the proton wavelength is small, so that the wave properties of the beam exert little influence on the structure of the lines, their study can yield in many cases more useful information on the character of motion of the nuclei in the crystal lattice than methods which essentially use the wave properties of the radiation. Orig. art. has: 2 figures. [02]

ASSOCIATION: Nauchno-issledovatel'skiy institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta (Nuclear Physics Research Institute, Moscow State University)

Card 2/3

L 1434-66

ACCESSION NR: AP5021151

SUBMITTED: 26May65

NO REF SOV: 002

ENCL: 00

OTHER: 001

SUB CODE: SS, NP

ATD PRESS: 4100

Card 3/3

DP

PUZANOV, Alexander, inz., C.Sc.

Calculation of the movement and shape of shock waves in open channels of usual profile. Vodohosp cas 11 no.1:40-53 '63.

1. Ustav pro hydrodynamiku, Ceskoslovenska akademie ved, Praha.

PUZANOV, Alexander.

Structure of waves in open channels. Rospravy techn CSAV 72 no.2:
3-102 '62.

IVANOV, N.I.; PUZANOV, B.S.

Determining the volume of earthwork in soft and hard ground by
stereoscopic pairs of phototheodolite surveys. Geod. i kart.
no.2:36-41 F '61. (MIRA 14:9)

(Earthwork) (Surveying)

--PUZANOV, B.S., kand.tekhn.nauk; IVANOV, N.I., inzh.

Methods for using terrestrial stereophotography in measuring volumes and
surfaces. Trudy Inst. Orgenergostroi no. 1:3-51 '59. (MIRA 14:3)
(Earthwork) (Photographic surveying)

S/006/61/000/002/003/003
B116/B202

AUTHORS: Ivanov, N. I., Puzanov, B. S.

TITLE: Determination of the volume in earth and rock operations
from the pairs of stereoscopic pictures obtained by
phototheodolite surveying

PERIODICAL: Geodeziya i kartografiya, no. 2, 1961, 36-41

TEXT: The present methods of determining the volume in rock and earth excavations have the following disadvantages: extensive field and indoor work, complicated evaluation of data, generalized and incomplete data. For this reason, the authors developed a method of analytically determining the volume and areas from the pairs of stereoscopic pictures of phototheodolite surveying without plans or profiles. The studies were made at the nauchno-issledovatel'skiy sektor Vsesoyuznogo instituta "Orgenergostroy" (Scientific Research Section of the All-Union Institute "Orgenergostroy"). In this method the simplest up-to-date instruments of terrestrial stereophotography are used: a phototheodolite and a stereocomparator. To determine the volume, the object concerned must be

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Determination of the volume...

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periodically photographed from permanently marked base points. When determining the volume of earth heaps or other immobile objects, photographs must be taken from two opposite sides. In the case of ordinary surveying where the optical axis of the phototheodolite is oriented horizontally and normally to the base line the photogrammetric coordinates of the field points are determined from the ordinary formulas (Fig. 1). The authors developed two methods of evaluating the pairs of stereoscopic pictures for a direct determination of the volume: 1) method of horizontal network and 2) method of vertical network. Field work and laboratory work are the same in both cases. They consist in the following: selection, marking, and measuring of the base points, photographing and development of the negatives. Indoor work to be done in the first method: 1) Assumption of the dimensions of the sides of the square or rectangle in nature (e.g. 10, 20 m), determination of the distances, Y_{ϕ} (Fig. 1) and of the abscissae of the points of the network. The coordinates in the system of the picture are then determined from formulas $Y_{\phi} = B/p \cdot f$ and $X_{\phi} = B/p \cdot x_{\eta} \cdot x_{\eta}$ and z_{η} are the coordinates of the point on the left

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picture of the pair (in mm), $p = x_{\Pi} - x_{\Pi}$ is the horizontal parallax (in mm), x_{Π} is the abscissa of the points on the right picture of the pair (in mm), B is the length of the base line (in m), f is the focal length of the phototheodolite camera, Y_{ϕ} , X_{ϕ} , and Z_{ϕ} are the photogrammetric coordinates of the terrain points (in m). 2) The z_{Π} coordinates for all angles of the square network are measured by the stereocomparator, and the calculated values of the parallaxes and the abscissæ are entered in a table. 3) By means of formula $Z_{\phi} = B/p \cdot z_{\Pi}$ the z_{Π} values are converted to the Z_{ϕ} values in the terrain. The work mentioned in points 2) and 3) are made with two pairs of stereoscopic pictures, before and after the excavation and deposition, respectively. The working volume in the region of each square (or rectangle) is obtained from formula $v = sh_{\text{mean}}$. s - area of the square, h_{mean} - mean working quote which was obtained from the quotes of four square vortices with the working quote of each square vortex being equal to the difference of the heights

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determined before and after excavation. The second method of the "vertical network" is used when the mining place can be projected to the plane which is perpendicular to the optical axis of the camera. In this method the following indoor work is necessary: 1) the dimension of the network element (in mm) is assumed, the parallaxes for all points of these elements are determined by the stereocomparator, 2) without passing to the coordinates of the terrain, the volume of each element is determined from formula (7) or from the weighted means of the parallaxes from formula

$$V = \frac{QN \Delta p_{cp.n.}}{(p_{cp.n.} \cdot p'_{cp.n.})^2} \left\{ 1 + \frac{\Delta p_{cp.n.}^2}{3 p_{cp.n.} \cdot p'_{cp.n.}} \right\}, \quad (8)$$

$$p_{cp.n.} = \frac{[rp]^L}{[r]^L}, \quad p'_{cp.n.} = \frac{[rp'_{cp.n.}]^L}{[r]^L};$$

L denotes the number of all points, r - their weight. If the amplitude of parallax variations exceeds 10%, calculations have to be made stepwise when using formula (8). v_0 is determined from formula

$$v_0 = \Delta x \Delta z B^2 \frac{p_0 - p'_0}{(p_0 p'_0)^2} \left\{ 1 + \frac{(p_0 - p'_0)^2}{3 p_0 p'_0} \right\}, \quad (6)$$

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Determination of the volume ...

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N - number of the volume elements, $Q = \Delta x \cdot \Delta z \cdot B^3 \cdot f$, Δx and Δz are the dimensions of the sides of the element (square or rectangle) on the picture negative on the x or z -axis. B is the length of the base line, f the focal length of the phototheodolite camera, p_0 and p'_0 are the arithmetic means from the parallaxes of the four points of the network element (obtained by taking two successive photographs). The index of p in formula (8) denotes the weighted mean. 3) The areas of the incomplete elements and their volumes were separately determined from the outline of the mining place. The methods given here were tested in the open mine of the Kuybyshevgidrostroy, the Bratsk GES, the Votkinsk GES (GES Hydraulic Power Plant). The mean error was about 1%, and, compared with the ordinary methods, time consumption could be reduced by 2-4 times. There are 2 figures.

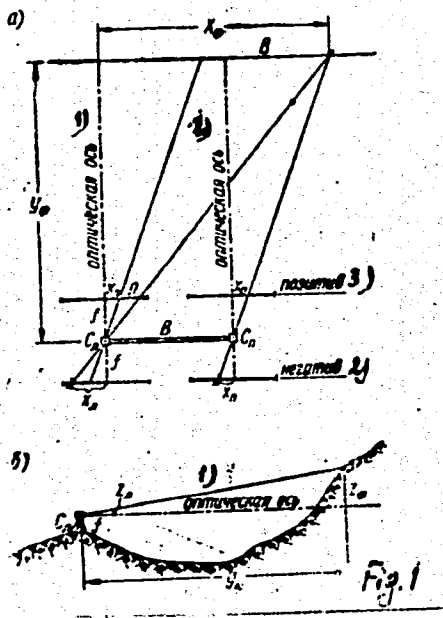
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Determination of the volume...

S/006/61/000/002/003/003
R116/R202

Legend to Fig. 1:

- 1) optical axis, 2) negative,
- 3) positive.



Card 6/6

FURMANOV, N. S.

"Creation of Large Scale Plans (1 : 10,000) for Aerial Photographs With
Converted Packs in Photo-Mapping." Cand Tech Sci, Moscow Inst of Engineers of
Geodesy, Aerial Photography and Cartography, Moscow, 1955. (ML, No 11, Mar 55)

So: Sum. No 670, 29 Sept 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (15)

PANKRAT'YEV, Yu.N.; PUZANOV, B.S.; SERDYUKOV, V.M.; VIDUYEV ,
N.G., doktor tekhn. nauk, prof., red.; KOTLYAROV,
Yu.L., red.

[Engineering photogrammetry] Inzhenernaia fotogrammetriia.
L'vov, Izd-vo L'vovskogo univ., 1964., 283 p.
(MIRA 18:2)

21(8)

SOV/89-6-6-16/27

AUTHORS: Dolgopol'skaya, M. A., Il'in, L. A., Puzanov, I. A., Tsenev, V. A.

TITLE: The Application of Radioactive Isotopes in Fighting
Fouling at Sea (Primeneniye radioaktivnykh izotopov v bor'be s
obrastaniyami v more)

PERIODICAL: Atomnaya energiya, 1959, Vol 6, Nr 6, pp 674-676 (USSR)

ABSTRACT: The present "Letter to the Editor" deals with the experimental
verification of the possibility of protecting ships and other
objects exposed to sea water by a coating which contains radio-
active ingredients against being overgrown by marine micro-
organisms and plants. Already in 1955 V. A. Tsenev suggested
the use of β -active isotopes for this purpose. For their
experiments the authors used the β -active isotope Y^{91}
(dissolved in 3N HCl) the β -particles of which have a range
of ~ 8 mm in water. A 120.40 mm large and 2.5 mm thick glass
plate was coated with a film of the radioactive solution (Y^{91}
with water of diluted polyvinyl acetate emulsion). After
heating to 60° with subsequent cooling to 20° the surface of
the plate was covered by three layers of ethinol varnish and

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The Application of Radioactive Isotopes in
Fighting Fouling at Sea

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PKhV-70 varnish (Fig 1). The entire thickness of the coatings was $35 \pm 3 \text{ mg/cm}^2$. The results of the surface activity measurements of 4 test plates are listed in a table. The plates as well as the control plates were lowered into the sea to a depth of 1 m 40 m off shore (at that place the sea was 3 m deep). Figure 1 shows such a plate before the lowering into the sea water and figure 2 shows a plate with neutral surface (a) and another one with activated surface (b) which were subjected to the action of the sea water for 10 days. Barnacles were observed on both plates. A further experiment was carried out for 61 days. The control plate and the neutral parts of the test plates were covered with a layer of a thickness of 25 mm, the active surface remained uncovered. A third experiment which (November 16, 1957) lasted for 102 days, and in the course of which the surface activity decreased to less than one third, showed that the activated surface was still free from

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The Application of Radioactive Isotopes in
Fighting ... Fouling at Sea

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overgrowths. Figure 3 shows the photographs of three plates (see Table) after 102 days in sea water. For the application of such protective coatings above all long lived β -emitters are suggested; besides Y^{91} mainly Tl^{204} ($T = 2.7$ a), Ru^{106} - Rh^{106} (360 d), Ce^{144} - Pr^{144} (288 d). There are 3 figures and 1 table.

SUBMITTED: August 19, 1958

Card 3/3

PUZANOV, I.P.

AGALINA, M.S., inzh.; AKUTIN, T.K., inzh.; APRESOV, A.M., inzh.; ARISTOV, S.S., kand. tekhn. nauk.; BELOSTOTSKIY, O.B., inzh.; BERLIN, A.Ye., inzh.; BESSKIY, K.A., inzh.; BLYUM, A.M., inzh.; BRAUN, I.V., inzh.; BRODSKIY, I.A., inzh.; BURAKAS, A.I., inzh.; VAYNMAN, I.Z., inzh.; VARSHAVSKIY, I.N., inzh.; VASIL'YEV, A.A., inzh.; VORONIN, S.A., inzh.; VOYTSEKHOVSKIY, L.K., inzh.; VRUBLEVSKIY, A.A., inzh.; GERSHMAN, S.G., inzh.; GOLUBYATNIKOV, G.A., inzh.; GORLIN, M.Yu., inzh.; GRAMMATIKOV, A.N., inzh.; DASHEVSKIY, A.P., inzh.; DIDKOVSKIY, I.L., inzh.; DOBROVOL'SKIY, N.L., inzh.; DROZDOV, P.F., kand. tekhn. nauk.; KOZLOVSKIY, A.A., inzh.; KIRILENKO, V.G., inzh.; KOPELYANSKIY, G.D., kand. tekhn. nauk.; KORETSKIY, M.M., inzh.; KUKHARCHUK, I.N., inzh.; KUCHER, M.G., inzh.; MERZLYAK, M.V., inzh.; MIRONOV, V.V., inzh.; NOVITSKIY, G.V., inzh.; PADUN, N.M., inzh.; PANKRAT'YEV, N.B., inzh.; PARKHOMENKO, V.I., kand. biol. nauk.; PINSKIY, Ye.A., inzh.; POULUBNYI, S.A., inzh.; PORAZHENKO, F.F., inzh.; PUZANOV, I.P., inzh.; REDIN, I.P., inzh.; REZNIK, I.S., kand. tekhn. nauk.; ROGOVSKIY, L.V., inzh.; RUDEMAN, A.G., inzh.; RYBAL'SKIY, V.I., inzh.; SADOVNIKOV, I.S., inzh.; SEVER'YANOV, N.N., kand. tekhn. nauk.; SEMESKO, A.T., inzh.; SIMKIN, A.Kh., inzh.; SURDUTOVICH, I.N., inzh.; TROPIMOV, V.I., inzh.; FEFER, M.M., inzh.; FIALKOVSKIY, A.M., inzh.; FRISHMAN, M.S., inzh.; CHERESHNEV, V.A., inzh.; SHESTOV, B.S., inzh.; SHIPMAN, M.I., inzh.; SHUMYATSKIY, A.F., inzh.; SHCHERBAKOV, V.I., inzh.; STANCHENKO, I.K., otv. red.; LISHIN, G.L., inzh., red.; KRAVTSOV, Ye.P., inzh., red.; GRIGOR'YEV, G.V., red.; KAMINSKIY, D.N., red.; KRASOVSKIY, I.P., red.; LEYTMAN, L.Z., red. [deceased]; GUREVICH, M.S., inzh., red.; DANILEVSKIY, A.S., inzh., red.; DEMIN, A.M., inzh., red.; KAGANOV, S.I., inzh., red.; KAUFMAN, B.H., kand. tekhn. nauk., red.; LISTOPADOV, N.P., inzh., red.; MENDELEVICH, I.R., inzh., red. [deceased];

(continued on next card)

AGALINA, M.S.... (continued) Card 2.

PENTKOVSKIY, M.I., inzh., red.; ROZENBERG, B.M., inzh., red.; SLAVIN, D.S., inzh., red.; FEDOROV, M.P., inzh., red.; TSYMBAL, A.V., inzh., red.; SMIRNOV, L.V., red. izd-va.; PROZOROVSKAYA, V.L., tekhn. red.

[Mining ; an encyclopedic handbook] Gornoe delo; entsiklopedicheskiy spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po ugol'noi' promyshl. Vol. 3. [Organization of planning; Construction of surface buildings and structures] Organizatsiia proektirovaniia; Stroitel'stvo zdani i sooruzhenii na poverkhnosti shakht. 1958. 497 p. (MIRA 11:12)
(Mining engineering)
(Building)

PUZANOV, I. I.

Puzanov, I. I. - "Some debatable problems of the amphibian distribution of sea fauna," Trudy Odes. gos. un-ta im. Mechnikova, Vol IV, 1949, p. 25-31, - Bibliog: 18 items

SO: U-5240, 17, Dec 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

PUZANOV, I. I.

"New Discoveries of Extinct Primates in South Africa," Priroda, No. 11, 1949.

PUZANOV, I. I.

Puzanov, I. I. "The peculiarity of the fauna of the Crimea and its origin",
Uchen. zapiski Gor'k. gos. un-ta. Issue 14, 1949, p. 5-32, - Bibliog: 31-32

SO: U-4631, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 24, 1949).

FUZANOV, I. I.

Puzanov, I. I. - "Material for the study of nature (primarily the ornithofauna) in littoral Cherkesia", Uchen. zapiski Gor'k. gos. un-ta, Issue 14, 1949, p. 33-38

SO: U-4631, 16 Sept. 1953, (Letopis 'Zhurnal 'nykh Statey, No. 24, 1949).

PUZANOV, I.I., prof., doktor biolog.nauk, red.; PRENDEL', A.R., prof., red.;
MULIKOVSKIY, K.P., red.; BABICH, N.M., tekhn. red.

[Materials on the fishing and hydrobiology of estuaries of the
northwestern part of the Black Sea; food resources of estuaries
of Izmail Province; collection of scientific articles] Materialy
po gidrobiologii i rybolovstvu limanov severozapadnogo Pri-
chernomor'ia; kormovye resursy limanov Izmail'skoi oblasti; sbornik
nauchnykh statei. Odessa, Odesskoe obl. knizhno-gazernoe izd-vo,
1952. 105 p. (MIRA 11:12)

(Black Sea region--Marine biology)

FUZANOV, I.I., prof.

Prezede. Nat. po gidrobiol. i rybol. lit. severozap. Prichen. [no. 1]:
3-5 '52. (MIR. 12:?)

(Izmail Province---Lagoons)

PUZANOV, I.I.

Odessa Province--Fish Culture

Stocking fish in the Odessa limans. Ryb. khoz. 28, no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, AUGUST 1952 1953. Unclassified.

PUZANOV, I. I.

Ukraine - Biology

"Plant and animal life of the southern Ukraine and northern Crimea." D. YA. Afanas'ev, G. I. Bilyk, A. B. Kistyakovskiy, M. I. Kotov. Reviewed by I. I. Puzanov. Sov. kniga. No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

Puzanov, I.I.
USSR/General Division - History. Classics. Personatities.

A-2

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25667

Author : Puzanov, I.I.

Inst : University of Odessa; Institute of Zoobiology.

Title : One Hundred Years of Zoological Research in Odessa.

Orig Pub : Tr. Odessk. un-ta (Yubil. sb.), Kiev, Izd-vo un-ta, 1954,
73-83

Abst : The earliest period in the history of zoology in Odessa was marked by faunistic studies (1832-1970) and is associated with the name of the prominent scientist and student of fauna, A.D. Nordman. The second period, in which comparative embryology was the predominant orientation, was marked by the calssic researches of I.I. Mechnikov and A.O. Kovalevskiy at the University of Odessa. Their followers were V.V. Zalenskiy, V.M. Repekhov, and others. Zalenskiy raised the University Zoological Museum to the level of the best university museums in Russia.

Card 1/2

USSR/General Division - History. Classics. Personalities.

A-2

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25667

A prominent role in the scientific activities of the entire Black Sea shore area, was played by the Odessa Society of Naturalists, founded in 1870. Its first president was L.S. Tsenkovskiy. One of the members of the Society, V. I. Shmankevich, was the pioneer of hydrobiological studies in the Odessa estuary region. The path he traced was followed by P.N. Buchinskiy. After the Soviets came to power, a renaissance of biology in Odessa began in 1929 with the organization of the Institute of Zoobiology under the guidance of D.K. Tretyakov and the re-opening, in 1934, of the University of Odessa. Primary emphasis on morphology was characteristic of zoological research in Odessa up to the beginning of World War II. In the post-war period, experimental and faunistic orientations have received considerable impetus in connection with the needs of the national economy.

Card 2/2

PUZANOV, I. I.

USSR/Biology - Zoology

Card 1/1 : Pub. 86 - 30/38

Authors : Puzanov, I. I., Prof.

Title : "Migratory biocenosis"

Periodical : Priroda 43/12, 115-116, Dec 1954

Abstract : An account is given of a crab that was overgrown with acorn barnacles (Balanus improvisus). Illustration.

Institution :

Submitted :

PUZANOV, I.I., prof.

Animal population in forest shelterbelts of Odessa Province and
problems with regard to its regulation. Uch.zap. KGU 52:137-147
'54. (MIRA 11:11)

1. Kafedra zoologii posvyenochnykh Odesskogo gosudarstvennogo
universiteta.
(Odessa Province--Forest fauna) (Windbreaks, shelterbelts, etc.)

PUZANOV, I.I.

Some variations of marine organisms which are found in a saltwater
estuary. Biul. MOIP. Otd. biol. 59 no.4:23-31 J1-Ag '54. (MLRA 7:9)
(Marine fauna)

PUZANOV, I.I.

Saltomutation and metamorphosis. Biul. MOIP. Otd. biol. 59 no.4:
67-79 J1-Ag '54. (MLRA 7:9)

(GENETICS,
mutation & metamorphosis)

PUZANOV, I.I.

"Origin of species." Charles Darwin. Reviewed by I.I. Puzanov.
Biol.MOIP. Otd.biol. 59 no.5:107-110 8-0 '54. (MLRA 8:1)
(Darwin, Charles Robert, 1809-1882) (Origin of species)

PUZANOV, Ivan Ivanovich; KOZLOV, Vladimir Ivanovich; KIPARISOV, Gleb Petrovich [deceased]; GARANINA, L.F., redaktor; ZAKHAROV, K.A., tekhnicheskii redaktor

[Animals of Gorkiy Province; vertebrates] Zhivotnyi mir Gor'kovskoi oblasti; pozvonochnye. Izd. 2-oe, dop. [Gor'kii] Gor'kovskoe kn-vo
1955. 585 p. (MIRA 9:10)
(Gorkiy Province--Vertebrates)

WALLACE, Alfred R.; PUZANOV, I.I. [translator]; LAVRENT'YEVA, Ye.V., redaktor;
KOSHELEVA, S.M., tekhnicheskii redaktor.

[Tropical nature. Translated from the English] Tropichestkaia priroda.
Perevod vstupitel'naiia stat'sia i primechania I.I.Puzanova. Moskva,
Gos.izd-vo geogr.lit-ry, 1956.222 p. (MIRA 9:6)
(Tropics)

PUZANOV, Ivan Ivanovich, professor; BOGOYAVLENSKIY, G.P., redaktor;
~~BOGIRA, B.P., tekhnicheskiy redaktor~~

[In the Swiss Alps. Between the Nile and the Red Sea] v Shveitsar-
skikh Al'pekhs. Mezhdru Nilom i Krasnym morem. Moskva, Gos.izd-vo
geogr.lit-ry, 1957. 276 p. (MLRA 10:7)

(Switzerland--Description and travel)

(Egypt--Description and travel)

(Sudan--Description and travel)

PUZANOV, Ivan Ivanovich; PROKHODTSEVA, S.Ya., red.; NOGINA, N.I., tekhn.red.

[Around Asia] Vokrug Azii. Moskva, Gos.izd-vo geogr. lit-ry, 1957.
366 p. (MIRA 10:12)

(Asia--Description and travel)

PUZANOV I. I.

USSR/General Biology. Evolution.

B-7

Abstr Jour: Ref Zhur-Biol., No 20, 1958, 90459.

Author : Puzanov, I.I.

Inst : Odessa University.

Title : Biological Species and its Sub-Divisions.

Orig Pub: Nauchn. yezhegodnik. Odessk. un-t, 1956, Odessa, 1957,
253-254.

Abstract: The basic knowledge of a biological species, its outstanding attributes, the genetic distinction of one species from related kinds, etc., are concisely formulated. It is planned that international conferences of biologists be held to institute a uniform taxonomy and, especially, to establish an operationally required scale of taxonomic units which provides dis-

Card : 1/2

PUZANOV, I. I.,

"The Merits of the Soviet Zoo-Geographer, A. A. BRAUNER."

report presented at Conference on Dry Land Zoogeography, L'vov, 1-4 June 1957,
(Izv. Ak Nauk Ser. Geog. 1958, No. 2, pp 155, Author: VORONOV, A. G.).

AUTHOR: Puzanov, I.I., Professor (Odessa) 26-58-6-45/56
TITLE: Darwin's First Complete Autobiography (Pervaya polnaya avtobiografiya Darvina)
PERIODICAL: Priroda, 1958, Nr 6, p 117-118 (USSR)
ABSTRACT: The author reviews a previously unpublished autobiography written by Charles Darwin. Its title is "Recollections of the Development of My Mind and Character". The original manuscript was obtained from the library of Cambridge University. The Soviet edition is an exact translation of the original with an explanatory preface written by Professor S.L. Sobol'. It was edited by the USSR Academy of Sciences in 1957.
Card 1/1
1. Autobiography

PUZANOV, I.I.

Certain changes observable in the Telent squirrel acclimatized
in the Crimea. Biul.MOIP.Otd.biol. 64 no.1:15-23 Ja-P '59.
(MIRA 12:7)

(Crimea--Squirrels)

KHVOSTOVA, T.G. [KHVOSTOVA, T.H.], student biolog.fakul'teta;
PUZANOV, I.I., nauchnyy rukovoditel', prof.

Atherina mchon pontica(Nichw.) and its origin. Pratsi Od.un.
Zbir.stud.rob. 149 no.5:159-162 '59. (MIRA 13:4)

1. Odesskiy gosudarstvennyy universitet.
(Black Sea--Siversides)

IVANOV, A.I., student biolog.fakul'teta; PUZANOV, I.I., nauchnyy rukovoditel', prof.

Approach of mullet to the shores of Odessa Gulf in the summer and fall of 1956. Pratsi Od.un. Zbir.stud.rob. 149 no.5:163-165 '59. (MIRA 13:4)

1. Odesskiy gosudarstvennyy universitet.
(Odessa Gulf--Gray mullets)

PUZANOV, Ivan Ivanovich; GOL'D, Tamara Moiseyevna

[Outstanding naturalist I.K.Pachoskii] Vydaiushchiisia
naturalist I.K.Pachoskii. Moskva, Nauka, 1965. 84 p.
(MIRA 18:3)

PUZANOV, Ivan Ivanovich, prof.; GRISHINA, L.I., red.; MAL'KES, B.M.,
mladshiy red.; KOSHELEVVA, S.M., tekhn.red.

[Across the unexplored Crimea] Po nekhoshenomu Krymu. Moskva,
Gos.izd-vo geogr.lit-ry, 1960. 284 p.

(MIRA 13:12)

(Crimea--Description and travel)

PUZANOV, I.I.; NAZARENKO, L.F.

Recent discovery of the common eider in the Black Sea.

Ornitologiya no.3:440 '60.

(Black Sea--Ducks)

(MIRA 14:6)

PUZANOV, I.I.

M.A. Menzbir as a zoogeographer and problems in the development of zoogeography in the U.S.S.R. Trudy Probl. i tem. sov. no.9:23-32 '60. (MIRA 13:9)

1. Odesskiy gosudarstvennyy universitet.
(Menzbir, Mikhail Aleksandrovich, 1855-1935)
(Zoogeography)

PUZANOV, I.I.; NAZARENKO, L.F.; YAKUBOVSKIY, M.I.

Effect of synoptic conditions on the passage of migratory birds
in the environs of Odessa. Trudy Probl. i tem. sov. no.9:136-
145.'60. (MIRA 13:9)

1. Odesskiy gosudarstvennyy universitet.
(Odessa region--Birds--Migration)

PUZANOV, I.I.

Aleksandr Aleksandrovich Brauner; his life and work in science.
Trudy Inst.ist.est.i tekhn. 32:309-371 '60. (MIRA 13:10)
(Brauner, Aleksandr Aleksandrovich, 1857-1941)

PUZANOV, I.I.

Fiftieth anniversary of the Kara-Dag Biological Station. *Gidrobiol.*
zhur. 1 no.1:75-78 '65. (MIRA 18:5)